

Notice of Allowability

Application No.

09/995,779

Examiner

Kevin Quarterman

Applicant(s)

ISOHATA ET AL.

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 February 2007.
2. ☒ The allowed claim(s) is/are 1,3-13,15-23,25 and 27.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 28 February 2007 has been entered.

Response to Amendment

2. Applicant's amendment and remarks received on 28 February 2007 have been entered.

Allowable Subject Matter

3. Claims 1, 3-13, 15-23, 25, and 27 are allowed.

4. The following is an examiner's statement of reasons for allowance: Regarding independent claim 1, the prior art of record neither shows or suggests a plasma display apparatus comprising, in addition to other limitations of the claim, adhesive tapes to fix a plasma display panel directly to a main frame, wherein the main frame comprises plural holes arranged regularly at established intervals on the portion where the adhesive tapes contact the main frame and are fixed, and the holes form a passage for drawing air from the surface between the adhesive tapes and the main frame. Due to their dependency upon independent claim 1, claims 3-12 are also allowable.

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5. Regarding independent claim 13, the prior art of record neither shows or suggests a plasma display apparatus comprising, in addition to other limitations of the claim, adhesive tapes to fix a plasma display panel directly to a main frame, wherein the main frame comprises plural recesses arranged regularly at established intervals on the portion, to which the adhesive tapes are fixed, of the surface to which the adhesive tapes contact the main frame and are fixed, and the recesses have cavities between the adhesive tapes and the main frame and form air bubbles in the cavities. Due to their dependency upon independent claim 13, claims 15-22 are also allowable.

6. Regarding independent claim 23, the prior art of record neither shows or suggests a plasma display apparatus comprising, in addition to other limitations of the claim, adhesive tapes to attach a plasma display panel directly to a main frame, wherein the adhesive tapes comprise plural holes arranged regularly at established intervals on the adhesive tapes, and the holes form air bubbles in the holes between the plasma display panel and the main frame.

7. Regarding independent claim 25, the prior art of record neither shows or suggests a plasma display apparatus comprising, in addition to other limitations of the claim, adhesive tapes to fix a plasma display panel directly to a main frame, wherein the adhesive tapes comprise plural recesses arranged regularly at established intervals on at least one of the surface in contact with the plasma display panel or that are in contact with the main frame, and the recesses have cavities between the adhesive tapes and the main frame or the adhesive tapes and the plasma display panel and form air bubbles in the cavities.

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8. Regarding independent claim 26, the prior art of record neither shows or suggests a plasma display apparatus comprising, in addition to other limitations of the claim, a main frame having plural small holes and adhesive tapes placed over the plural small holes, contacting and affixing the main frame to a plasma display panel, wherein the plural holes are arranged regularly at established intervals on a portion where the adhesive tapes contact the main frame and are fixed, and the holes form a passage for drawing air from the surface between the adhesive tapes and the main frame.

9. The subject plasma display apparatus structure described above is provided for drawing off air bubbles or preventing air bubbles from forming to improve the rigidity of the plate materials. The design is new and unique to the art.

10. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sundahl (US 2003/0011724) discloses repairable tiled display structures.

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Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

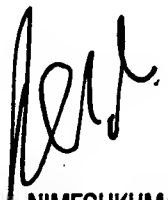
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin Quarterman
Examiner
Art Unit 2879

kq

17 March 2007



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